Annual Review of Microbiology
Volume 40, 1986

CONTENTS

MY LIFE WITH YEASTS, *Herman J. Phaff* 1

THE ROLE OF IMMUNE COMPLEXES IN THE PATHOGENESIS OF BACTERIAL INFECTIONS, *N. Høiby, G. Döring, and P. O. Schiøtz* 29

TRYPTOPHAN BIOSYNTHETIC GENES IN EUKARYOTIC MICROORGANISMS, *Ralf Hütter, Peter Niederberger, and John A. DeMoss* 55

GENOME ORGANIZATION IN *PSEUDOMONAS*, *B. W. Holloway and A. F. Morgan* 79

MICROAEROPHILY AND OXYGEN TOXICITY, *N. R. Krieg and P. S. Hoffman* 107

COMPETITION FOR NODULATION OF LEGUMES, *D. N. Dowling and W. J. Broughton* 131

PERSISTENCE OF RNA VIRUSES IN THE CENTRAL NERVOUS SYSTEM, *Krister Kristensson and Erling Norrby* 159

CLONAL ANALYSIS OF DESCENT AND VIRULENCE AMONG SELECTED *ESCHERICHIA COLI*, *Mark Achtman and Gerd Pluschke* 185

THE BIOLOGY OF NATURAL TRANSFORMATION, *Gregory J. Stewart and Curtis A. Carlson* 211

FACTORS CONTRIBUTING TO THE PATHOGENIC BEHAVIOR OF *ENTAMOEBA HISTOLYTICA*, *C. Gitler and D. Mirelman* 237

RECENT ADVANCES IN BACTERIAL ION TRANSPORT, *Barry P. Rosen* 263

NATURAL HISTORY OF *RICKETTSIA RICKETTSII*, *Joseph E. McDade and Verne F. Newhouse* 287

MICROORGANISMS IN RECLAMATION OF METALS, *S. R. Hutchins, M. S. Davidson, J. A. Brierley, and C. L. Brierley* 311

MICROBIAL ECOLOGY AND EVOLUTION: A RIBOSOMAL APPROACH, *Gary J. Olsen, David J. Lane, Stephen J. Giovannoni, Norman R. Pace, and David A. Stahl* 337

(continued)

In Situ Bacterial Metabolism and Colon Mutagens, *Barry R. Goldin* 367

The Natural History of Japanese Encephalitis Virus, *Leon Rosen* 395

The Autotrophic Pathway of Acetate Synthesis in Acetogenic Bacteria, *Lars G. Ljungdahl* 415

Invasion of Erythrocytes by Malaria Parasites: A Cellular and Molecular Overview, *Terence J. Hadley, Francis W. Klotz, and Louis H. Miller* 451

Pathogenesis of Infectious Diseases of Fish, *Trevor J. Trust* 479

Regulation of IgA Expression by Isotype-Specific T Cells and Soluble Binding Factors, *Charlotte J. Word, Sylvia S. Crago, and Thomas B. Tomasi* 503

Organization of the Genes for Nitrogen Fixation in Photosynthetic Bacteria and Cyanobacteria, *Robert Haselkorn* 525

The Molecular Biology of Parasporal Crystal Body Formation in *Bacillus thuringiensis*, *H. R. Whiteley and H. Ernest Schnepf* 549

Genetics of Bacterial Enterotoxins, *Marsha J. Betley, Virginia L. Miller, and John J. Mekalanos* 577

Organization, Expression, and Evolution of Genes for Mercury Resistance, *Anne O. Summers* 607

Conjugative Transposons and the Dissemination of Antibiotic Resistance in Streptococci, *Don B. Clewell and Cynthia Gawron-Burke* 635

Virulence Factors of *Bordetella pertussis*, *Alison A. Weiss and Erik L. Hewlett* 661

Indexes

Subject Index 687

Cumulative Index of Contributing Authors, Volumes 36–40 706

Cumulative Index of Chapter Titles, Volumes 36–40 708